

## PKH 26 Biochemical | PKH26 biochemical

PKH 26

CATALOG #  
**AAA227784**

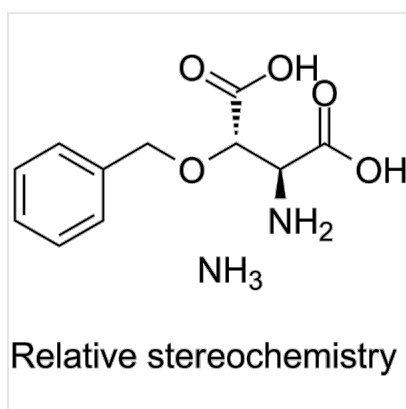
### PRODUCT SYNONYMS

PKH 26; PKH26 biochemical

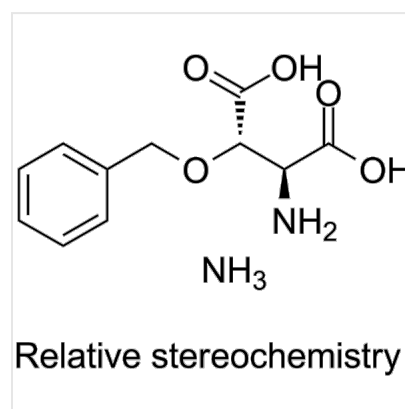
### PRODUCT SPECIFICATIONS

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                      |
| CAS                     | 154214-55-8                                                              |
| Solubility              | <1mg/ml refers to the product slightly soluble or insoluble              |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years |

### IMAGES



Structure  
DL-TBOA ammonium, CAS 2093503-71-8



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DL-TBOA ammonium, CAS 2093503-71-8

### ADDITIONAL INFORMATION

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| Related Product Information for PKH26 biochemical | PKH 26 is a lipophilic membrane dye and widely used to determine cell proliferation in heterogeneous cells by flow cytometry. It is a red fluorescent dye (Ex/Em=551/567nm).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| References                                        | <ol style="list-style-type: none"> <li>Shimamoto K, et al. DL-threo-beta-benzyloxyaspartate, a potent blocker of excitatory amino acid transporters. <i>Mol Pharmacol</i>. 1998 Feb;53(2):195-201.</li> <li>Jabaudon D, et al. Inhibition of uptake unmasks rapid extracellular turnover of glutamate of nonvesicular origin. <i>Proc Natl Acad Sci U S A</i>. 1999 Jul 20;96(15):8733-8.</li> <li>Shigeri Y, et al. Effects of threo-beta-hydroxyaspartate derivatives on excitatory amino acid transporters (EAAT4 and EAAT5). <i>J Neurochem</i>. 2001 Oct;79(2):297-302.</li> <li>Pedraz-Cuesta E, et al. The glutamate transport inhibitor DL-Threo-beta-Benzyloxyaspartic acid (DL-TBOA) differentially affects SN38- and oxaliplatin-induced death of drug-resistant colorectal cancer cells. <i>BMC Cancer</i>. 2015 May 16;15:411.</li> <li>Yumiko Sekiya, et al. Facilitation of morphine withdrawal symptoms and morphine-induced conditioned place preference by a glutamate transporter inhibitor DL-threo-beta-benzyloxyaspartate in rats. <i>Eur J Pharmacol</i>. 2004 Feb 6;485(1-3):201-10.</li> </ol> |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/pkh26-biochemical/pkh-26/227784>